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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant(s): Anastasios Melis et al.)
Serial No.: 09/748,690) Group Art Unit: 1633
Filed: 22 December 2000) Examiner: Not Yet Accorded
Title: Hydrogen Production Using) Atty Dkt No. : NREL 99-29
Hydrogenase-Containing)
Oxygenic Photosynthesis)
Organisms)

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56 AND 1.97

Honorable Assistant
Commissioner for Patents
Washington, DC 20231

Dear Sir:

It is respectfully requested that the citations listed below be considered by the U.S. Patent and Trademark Office and be made of official record in the above-identified application.

In the opinion of the undersigned, the below-listed citations represent the closest art known to the undersigned during the preparation of the above-identified application. These citations may be material to the examination of the subject application and are therefore submitted in compliance with a duty of disclosure defined in 37 CFR §§ 1.56 and 1.97.

A concise explanation of the relevance of the pertinent listed citations are set forth below.



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CITED PATENTS

U.S. Patent No. 4,532,210

Issued July 30, 1985

U.S. patent No. 4,442,211

Issued April 10, 1984

CITED PUBLICATION

Melis, A. et al. "Sustained Photobiological Hydrogen Gas Production Upon Reversible Inactivation of Oxygen Evolution in the Green Alga *Chlamydomonas reinhardtii*," Proceedings of the 1999 U.S. DOE Hydrogen Program Review, NREL/CP-570-26938.

Benemann, J. R., "Hydrogen Biotechnology Progress and Prospects," *Nature Biotechnol.* 14: 1101-1103 (1996).

In regard to the referenced application, Applicant submits the enclosed form PTO-1449 with the above-cited references that may be relevant to the patentability of the above-identified application.

This disclosure statement under 37 CFR §§ 1.56 and 1.97 is not to be construed to the effect that no other material information as defined by 37 CFR § 1.56(c) exist, or that these citations constitute prior art under 37 CFR § 1.56(c) exists, or that the citations constitute prior art under 35 U.S.C. § 102 and 103.

Respectfully submitted,

Paul J. White, Reg. No. 30,436
Attorney for Applicant

Dated: April 4, 2001.

National Renewable Energy Laboratory
1617 Cole Boulevard
Golden, CO 80401
303/384-7575

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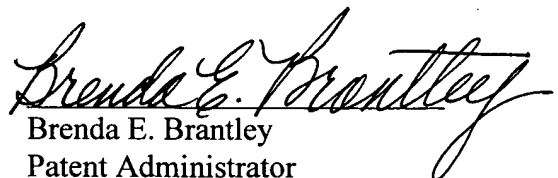
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CERTIFICATE OF MAILING UNDER 37 CFR § 1.8

I hereby certify that the following attached items:

- (1) Information Disclosure Statement Under 37 CFR §§ 1.56 and 1.97 [2 pages]
- (2) Cited patents and publications
- (3) PTO 1449 Form
- (4) Postcard receipt

are being deposited in the United States Postal Service as first class mail, postage pre-paid, in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC. 20231 on this 4th day of April 2001.


Brenda E. Brantley
Patent Administrator

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